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ME61 Series

10/100BaseT(X) to 100BaseFX Single-Strand Fiber Converter

Features

- Single-Strand Fiber Converters allow transmission and receiving over single strand fiber with WDM technology
- Supports Link Fault Pass-Through
- Powered by an external power adapter or USB port on hosting device
- TP port's connection speed and half/full mode are DIP Switch selectable
- Fiber connection's half/full duplex mode is DIP Switch selectable

Overveiw

The MOXA ME61 Series of Single-Strand Fiber Converters supports Wavelength Division Multiplexing (WDM) technology that allows two independent data communication channels to transmit and receive over one standard, single mode, fiber optic line. This not only doubles your existing bandwidth, but also effectively reduces the cost of creating a new fiber optic infrastructure.

Specifications

Interface

RJ45 ports:10/100BaseT(X)
Fiber ports: 100BaseFX (Only SC connectors available)
LED Indicators: Power, LNK/ACT, 100, FDX/COL

Technology

Standards: IEEE 802.3, 802.3u, 802.3x

Cable Limitations

TP port: Cat. 5 for up to 100 m
TP Cable Limitations: Cat. 5 and up to 100 m
Fiber Optic Cable: Single-Strand Fiber Cable
Recommended: 9/125 µm single-mode, Optional: 8.3/125, 8.7/125 or 10/125 µm
Wavelength: ME61A TX: 1310 nm/RX: 1550 nm,
ME61B TX: 1550 nm/RX: 1310 nm
Wavelength: Min. TX Output: -10 dBm
Max. TX Output: -7 dBm
Sensitivity: -32 dBm

Power

Input Voltage: 5 VDC adaptor or USB port
Input Current: External Power Adaptor: 1A @ 5 VDC
USB Interface Power: 0.5A @ 5 VDC

Mechanical

Dimensions (D x W x H): 94 x 70.3 x 26.2 mm

Environmental

Operation Temperature: 0 to 50°C
Ambient Relative Humidity: 5 to 90% (non-condensing)

Regulatory Approvals

CE, FCC

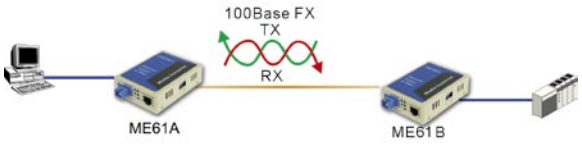
50% cost reduction for fiber optic infrastructures

With a pair of ME61 series products (ME61A and ME61B), you can double the utilization of your existing, costly fiber optic cable, and save 50% on the cost of a newly installed fiber optic application.

General Media Converter Solution

TX/RX over a pair of fiber optic cables

Single-Strand Fiber Converter solution



TX/RX over one fiber optic strand

Ordering Information

ME61A-S-SC 10/100BaseT(X) to 100 BaseFX Single-Strand Fiber Converter, TX 1310 nm, RX 1550 nm, SC
ME61B-S-SC 10/100BaseT(X) to 100 BaseFX Single-Strand Fiber Converter, TX 1550 nm, RX 1310 nm, SC
All items include a User's Manual & Power Adaptors

* You must purchase both ME61A and ME61B, since these products work as a pair.